

REMARKS

Claims 1-33 are pending in the present application. In the forgoing amendments, claims 1, 3, 8, 11, 14-19, 22, 25, 27, and 31-33 have been amended; claims 2, 10, 12-13, 26, 29, and 30 have been canceled without prejudice and disclaimer to the subject matter disclosed herein; and new claims 34-35 have been added. Support for these amendments can be found in the specification and claims of the application as filed. No new matter has been added by these amendments.

Applicants respectfully request entry of the foregoing amendments and reconsideration of the application in light of the amendments above and the remarks below.

Claim Rejections under 35 U.S.C. § 102(a)

The Office Action rejected Claims 1, 4-12, 17, 19-29, and 32-33 under 35 U.S.C. § 102(a) as being anticipated by Riera-Palou *et al.* (“Variable Length Equalizers for Broadband Mobile Systems,” hereinafter Riera-Palou). Applicants respectively traverse the rejections.

To expedite prosecution of this application, in the forgoing amendments, independent claim 1 has been amended to explicitly incorporate all of the limitations of claim 2, which was objected to in the Office Action. Thus, the amended claim 1 is allowable. Applicants respectfully request that the rejection of claim 1 be withdrawn.

Independent claim 8 has been amended to explicitly incorporate all of the limitations of claim 13 (and intervening claims 10 and 12), which was objected to in the Office Action. Thus, the amended claim 8 is allowable. Applicants respectfully request that the rejection of claim 8 be withdrawn.

Independent claim 25 has been amended to explicitly incorporate all of the limitations of claim 30 (and intervening claims 26 and 29), which was objected to in the Office Action. Thus, the amended claim 25 is allowable. Applicants respectfully request that the rejection of claim 25 be withdrawn.

Claims 3-7, 9, 11, 17, 19-24, 27-28, and 32-33 each depend from one of independent claims 1, 8, and 25, and therefore are allowable as well. Applicants respectfully request that the rejections of these claims be withdrawn.

New Claims 34-35

Claim 34 recites features analogous to features found in independent claim 1, and is therefore allowable for at least the reasons given above with respect to claim 1. Claim 35 depends from claim 34 and therefore is also allowable.

Allowable Subject Matter

In the Office Action, claims 2-3, 13-16, 18, and 30-31 were objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Applicants thank the Examiner for the indication of allowable subject matter.

Other References Cited

The Office Action includes a Notice of References cited. Applicants respectfully disagree with whether these references are relevant prior art and respectfully reserves the right to present such arguments and other materials, should the Examiner maintain rejection of Applicants' claims, based upon the references cited.



PATENT

REQUEST FOR ALLOWANCE

In view of the foregoing, Applicant submits that all pending claims in the application are patentable. Accordingly, reconsideration and allowance of this application are earnestly solicited. Should any issues remain unresolved, the Examiner is encouraged to telephone the undersigned at the number provided below.

Respectfully submitted,

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By: _____


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